

# Life in the Universe: Block 12 S103

## Articles for Block 12

Article 1: 'The origin of Life' by C. R. Woese (1984)

<https://books.google.co.uk/books?id=t8qTQAAACAAJ>

<http://classify.oclc.org/classify2/ClassifyDemo?owi=7068729>

Article 2: 'Seeding Earth: comets, oceans and life' by C Chyba (1990)

[https://s3.amazonaws.com/planetary/assets/tpr/pdf/tpr-1990-v10n1\\_200424\\_191858.pdf](https://s3.amazonaws.com/planetary/assets/tpr/pdf/tpr-1990-v10n1_200424_191858.pdf)

Article 3: 'Cold Start' by Jeffrey L. Bada (1995)

<https://doi.org/10.1002/j.2326-1951.1995.tb03630.x>

Article 4: 'Nature's feet of clay' by Anonymous (1996)

*Chemistry in Britain*, June 1996, page 13

Unable to find a DOI for this article

Article 5: 'The search for extraterrestrial life' by Carl Sagan (1994)

<https://doi.org/10.1038/scientificamerican1094-92>

Article 6: 'Search for past life on Mars: possible relic biogenic activity in Martian meteorite ALH84001' by D. S. McKay et al. (1992)

<http://lunar.earth.northwestern.edu/courses/438/search.life.pdf>

Article 7: 'Life on Mars?' by Monica Mary Grady b19580715 and Ian Wright (1996)

*Astronomy Now* volume 10, issue 10 (October), pages 39 - 42

Unable to find a DOI for this article

NASA/ADS Bibcode: [1996AsNow..10...39G](#)

Article 8: 'Europa: prospects for an ocean and astrobiological implications' by John Oro et al. (1992)

<https://ntrs.nasa.gov/api/citations/19930009363/downloads/19930009363.pdf>

Article 9: 'The planet of 51 Pegasi' by Alan M. MacRobert and Joshua Roth (1996)

Feature Article of *Sky & Telescope*, volume 91, issue 1, pages 38 – 40

Unable to find a DOI for this article

NASA/ADS Bibcode: [1996S&T....91Q..38M](#)

Article 10: 'The search for extraterrestrial intelligence: scientific quest of hopeful folly?' A debate between Ernst Mayr and Carl Sagan.

[http://epizodsspace.airbase.ru/bibl/inostr-yazyki/the\\_planetary\\_report/1996/tpr-1996-v16n3.pdf](http://epizodsspace.airbase.ru/bibl/inostr-yazyki/the_planetary_report/1996/tpr-1996-v16n3.pdf)

Supplementary Article 1: 'Life's Rocky Start' by R. M. Hazen (2001)

<https://doi.org/10.7208/9780226742731-006>

Supplementary Article 2: Extracts from 'Lifting Titan's veil: Exploring the giant moon of Saturn' by R. Lorenz and J. Mitton (2002)

<https://archive.org/details/liftingtitansvei0000lore>

Supplementary Article 3: 'Extrasolar planets' by A. C. Cameron (2001)

<https://doi.org/10.1088/2058-7058/14/1/27>